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[Wenjie Guan, Xinhua Ling, Xuemin \(Sherman\) Shen, Dongmei Zhao](#)

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Vertical handoff is a switching process between heterogeneous wireless network. Vertical handoffs from WLAN to 3G network often fail due to the signal strength in the transition areas. In this paper, ...

Keywords: 3G, WLAN, integrated 3G/WLAN networks, integrated network communications

2 [A Scalable Architecture For High-Throughput Regular-Expression Pattern Matching](#)
[Benjamin C. Brodie, David E. Taylor, Ron K. Cytron](#)

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We present and evaluate an architecture for highthroughput pattern matching. Our approach matches multiple patterns concurrently, responds rapidly and is well suited for synthesis in an ASIC or FPGA. ...

Also published in:

 May 2006 **SIGARCH Computer Architecture News** Volume 34 Issue 2

3 [Triggers over nested views of relational data](#)
[Feng Shao, Antal Novak, Jayavel Shanmugasundaram](#)

 September 2006 **Transactions on Database Systems (TODS)**, Volume 31 Issue 3

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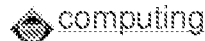
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Current systems that publish relational data as nested (XML) views are can only respond to user-initiated queries over the nested views. In this system whereby users can place ...

Keywords: XML, nested views, relational databases, triggers

4 [Proceedings of the 2006 international conference on Wireless comm](#)



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[Seizo Onoe](#), [Mohsen Guizani](#), [Hsiao-Hwa Chen](#), [Mamoru Sawahashi](#)

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Publisher: ACM

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It is our great pleasure to welcome you to the *International Wireless Co Computing Conference (IWCMC 2006)*. This year's Conference continue: premier forum for presentation of research results and ...

5 [Crowd and group animation](#)



[Daniel Thalmann](#), [Christophe Hery](#), [Seth Lippman](#), [Hiromi Ono](#), [Stephen Re](#)

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6 [Communications of the ACM: Volume 51 Issue 11](#)



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7 [A survey of structured and object-oriented software specification me](#)



[Roel Wieringa](#)

December 1998 **Computing Surveys (CSUR)** , Volume 30 Issue 4

Publisher: ACM [Request Permissions](#)






Full text available: [Pdf](#) (605.26 KB)

Additional Information: [full citation](#), [abstract](#), [review](#)

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This article surveys techniques used in structured and object-oriented s The techniques are classified as techniques for the specification of exter decomposition. The external specification techniques ...

Keywords: languages

8 [Communications of the ACM: Volume 52 Issue 8](#) [August 2009 Communications of the ACM](#)**Publisher:** ACMFull text available:  [Digital Edition](#) ,  [Pdf](#) (5.55 MB) Additional Information: [full citation](#)**Bibliometrics:** Downloads (6 Weeks): 4763, Downloads (12 Months): 4763, Citations: 0**9** [Process-centered review of object oriented software development methodologies](#) [Raman Ramsin, Richard F. Paige](#)February 2008 **Computing Surveys (CSUR)** , Volume 40 Issue 1**Publisher:** ACM Full text available:  [Pdf](#) (2.86 MB) Additional Information: [full citation](#), [abstract](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 148, Downloads (12 Months): 2264, Citations: 0


We provide a detailed review of existing object-oriented software development methodologies on their development processes. The review aims at laying bare their core internal activities. This is done by using a ...

Keywords: Object-oriented methodologies, agile methods, integrated software engineering, seminal methodologies

10 [An open-source CVE for programming education: a case study](#) [Andrew M. Phelps, Christopher A. Egert, Kevin J. Bierre, David M. Parks](#)July 2005 **SIGGRAPH '05: SIGGRAPH 2005 Courses****Publisher:** ACM Full text available:  [Pdf](#) (7.92 MB) Additional Information: [full citation](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 27, Downloads (12 Months): 332, Citations: 0**11** [Online reorganization of databases](#) [Gary H. Sockut, Balakrishna R. Iyer](#)July 2009 **Computing Surveys (CSUR)** , Volume 41 Issue 3**Publisher:** ACM Full text available:  [Pdf](#) (886.15 KB) Additional Information: [full citation](#), [abstract](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 153, Downloads (12 Months): 153, Citations: 0

In practice, any database management system sometimes needs reorganizing some aspect of the logical and/or physical arrangement of a database. In this paper, we discuss several types of reorganization have required denying access ...

Keywords: Clustering, concurrent reorganization, indexes, log-structured merge-tree, online reorganization, redefinition, reorganization, restructuring, schema evolution, databases


12 [Requirements interaction management](#) [William N. Robinson, Suzanne D. Pawlowski, Vecheslav Volkov](#)June 2003 **Computing Surveys (CSUR)** , Volume 35 Issue 2**Publisher:** ACM Full text available:  [Pdf](#) (1.24 MB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 66, Downloads (12 Months): 649, Citations: 1

Requirements interaction management (RIM) is the set of activities directed at the management, and disposition of critical relationships among sets of requirements in a critical area of requirements engineering. This survey ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin system, deficiency driven design, dependency analysis, distributed inter software cost reduction (SCR), system architecture, system specificatio

13 [Seeing, hearing, and touching: putting it all together](#)

 [Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensin](#)
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14 [Communications of the ACM: Volume 51 Issue 6](#)


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Bibliometrics: Downloads (6 Weeks): 217, Downloads (12 Months): 2564, Citations: 1

15 [Communications of the ACM: Volume 52 Issue 3](#)

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Full text available:  [Digital Edition](#),  [Pdf](#) (7.04 MB) Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 410, Downloads (12 Months): 2654, Citations: 1

16 [Semantic integrity support in SQL:1999 and commercial \(object-\)relational systems](#)

[Can Türker, Michael Gertz](#)

December 2001 **The VLDB Journal — The International Journal on Very Large Databases**
Issue 4

Publisher: Springer-Verlag New York, Inc.

Full text available:  [Pdf](#) (345.55 KB)


Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 259, Citations: 1

The correctness of the data managed by database systems is vital to an enterprise for business, research, and decision-making purposes. To guard databases from reflecting real-world data or business rules, semantic ...

Keywords: Constraint enforcement, Object-relational databases, SQL:1999, semantic constraints

17 [An algebraic approach to static analysis of active database rules](#)

 [Elena Baralis, Jennifer Widom](#)

September 2000 **Transactions on Database Systems (TODS)**, Volume 25, Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (391.93 KB)

Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 118, Citations: 0

Rules in active database systems can be very difficult to program due to the unpredictable nature of rule processing. We provide static analysis techniques that guarantee that a given rule set is guaranteed to terminate and whether ...

Keywords: active database systems, confluence, database rule processing, processing, termination


18 FENEZIA: failure endurable nested-transaction based execution of c incorporated state analysis

[Neila Ben Lakhal](#), [Takashi Kobayashi](#), [Haruo Yokota](#)

January 2009 **The VLDB Journal — The International Journal on Very**

Issue 1

Publisher: Springer-Verlag New York, Inc.

Full text available:  [Pdf](#) (2.46 MB)


Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 27, Citations: 0

Interest in the Web services (WS) composition (WSC) paradigm is increasing in distributed computing history is expected to occur when the dream of Architecture (SOA) is realized. However, there ...

Keywords: Composition, Dependability, Distributed execution, Failure, services

19 Assessing process-centered software engineering environments

 [Vincenzo Ambriola](#), [Reidar Conradi](#), [Alfonso Fuggetta](#)

July 1997 **Transactions on Software Engineering and Methodology**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (342.52 KB)


Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 236, Citations: 0

Process-centered software engineering environments (PSEEs) are the most environments supporting software development activities. They exploit (called the process model that specifies ...

Keywords: CASE, enabling technology, process modeling languages, process engineering environments, software process

20 Practical byzantine fault tolerance and proactive recovery

 [Miguel Castro](#), [Barbara Liskov](#)

November 2002 **Transactions on Computer Systems (TOCS)** , Volume 20 I

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (1.63 MB)

Additional Information: [full citation](#), [abstract](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 33, Downloads (12 Months): 374, Citations: 1

Our growing reliance on online services accessible on the Internet demands that we provide correct service without interruptions. Software bugs, operational errors, and security attacks are a major cause of service interruptions ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive replication, state transfer

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